

To: Caporale, Cynthia[Caporale.Cynthia@epa.gov]
From: Smith, Terry
Sent: Sun 1/12/2014 5:52:34 PM
Subject: Re: Eastman MCHM Method

Hi Cindy. I have been discussing with our philis folks and feel LCMS would work best. We are here to help. ERLN is available as well as PHILIS which has LCMS capability.

From: Caporale, Cynthia
Sent: Saturday, January 11, 2014 9:24:28 PM
To: Smith, Terry
Subject: Fw: Eastman MCHM Method

FYI - Our region is dealing with the WV spill. Thought you'd like to know since we might need to reach out to ERLN. Right now we are working on determining method. We think we can analyze on LC/MS/MS.

From: Wisniewski, Patti-Kay
Sent: Saturday, January 11, 2014 8:05:14 PM
To: Hedrick, Elizabeth; Caporale, Cynthia
Subject: Fw: Eastman MCHM Method

You are terrific Elizabeth. Thanks for looking into this.
Patti Kay

From: Travers, David
Sent: Saturday, January 11, 2014 8:01:23 PM
To: binetti, victoria
Cc: Wisniewski, Patti-Kay
Subject: Fw: Eastman MCHM Method

Vicki, just fyi...if it's at all helpful. WARN requested the Eastman.

From: Hedrick, Elizabeth
Sent: Saturday, January 11, 2014 6:14:25 PM
To: Allgeier, Steve
Cc: Travers, David
Subject: Eastman MCHM Method

Couldn't resist doing a quick bit of research.

· The Eastman method **is not** a quantitative method. They cite difficulty in obtaining pure

materials. It is a percent purity method that uses relative areas of target and impurity peaks assuming the same detector response factors. If there is not a better method that everyone could agree to use, water labs would likely perform a multi-point calibration from a stock standard with at least a nominal concentration. The method calls for DMF extraction. DMF (nasty solvent) is not a common solvent for DW labs which could delay ready implementation of the method.

- Neither methylcyclohexane methanol or 1,4-Cyclohexanedimethanol are cited in SAM or WCIT.

- Many fixed water/drinking water labs in Lab Compendium have GC-FID instrumentation and can analyze for VOCs. One WLA mobile lab found with required instrumentation; Connecticut Department of Energy and Environmental Protection, Mobile Analytical Laboratory.

Elizabeth

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